

DOCKET NO.: UBCV-0004/ 97-109
Application No.: 09/189,415
Office Action Dated: November 8, 2005

PATENT
REPLY FILED UNDER EXPEDITED
PROCEDURE PURSUANT TO
37 CFR § 1.116

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1-6. **(Cancelled)**

7. **(Previously presented)** An isolated polypeptide comprising the amino acid sequence as set forth in SEQ ID NO: 11.

8-51. **(Cancelled)**

52. **(Previously presented)** A pharmaceutical composition comprising a polypeptide that comprises the polypeptide of claim 7 or 63 in a pharmaceutically acceptable carrier.

53-61. **(Cancelled)**

62. **(Previously presented)** A Tir polypeptide fragment comprising the amino acid sequence set forth in SEQ ID NO: 7.

63. **(Previously presented)** An isolated Tir polypeptide that consists of 8 consecutive amino acids of SEQ ID NO: 11.

64. **(Previously presented)** The isolated Tir polypeptide of claim 63 wherein the Tir polypeptide fragment comprises the amino acid sequence set forth in SEQ ID NO: 7.

65. **(Previously presented)** A fusion protein comprising an isolated Tir polypeptide that comprises the amino acid sequence of SEQ ID NO: 11 fused to a non-Tir protein sequence.

66. **(Previously presented)** The fusion protein of claim 64 wherein the fusion protein comprises a cleavage site located between the Tir polypeptide and the non-Tir protein sequence.

67. **(Previously presented)** The fusion protein of claim 65 wherein the non-Tir protein sequence is an immunoglobulin (Ig) Fc domain.

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68. (Previously presented) The fusion protein of claim 65 wherein the non-Tir protein sequence is a marker polypeptide selected from the group consisting of an enzyme, a fluorescent protein, and a luminescent protein.

69-74. (Cancelled)

75. (Previously presented) An isolated nucleic acid molecule which encodes a Tir protein comprising the amino acid sequence of SEQ ID NO: 11 or an amino acid sequence variant which is at least 95% identical to an amino acid sequence as set forth in SEQ ID NO: 11, wherein the variant has the ability to induce an immune response in a host to a Tir-producing organism.